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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/635,137	08/06/2003	Barinder Singh Rai	VP080	8408

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EXAMINER

LAY, MICHELLE K

ART UNIT	PAPER NUMBER
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2672

DATE MAILED: 01/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/635,137	RAI ET AL.	
	Examiner	Art Unit	
	Michelle K. Lay	2672	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>122904</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1 – 6 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent No. 5,877,741 to Chee et al.

In regards to claims 1 and 3, Chee et al. discloses a system and method for overlay display data. Illustrated in Fig. 3, a computer system (10) includes a notebook computer (12), and an additional display device (14) interfaced with the notebook computer (12) via a cable (16). The notebook computer (12) includes various input devices, such as a keyboard (18), a floppy disk drive (20), and a track ball (22). The computer system (10) may include additional input devices, such as a hard disk drive, a CD-ROM, and a serial input-output port [column 7, lines 23 – 40], as well as internal devices, such as a processor. Referring to Fig. 21, the overlay and background data from the graphics memory (1960) are transferred to the display (14/24) using separate pipelines and are stored in overlay FIFO pipeline (2106) and display FIFO pipeline (2104), respectively [column 19, lines 44 – 47]. The background data may be considered the first portion of the image data as described. An overlay mux (2110) receives the data streams from the display FIFO pipeline (2104) and overlay FIFO pipeline (2106)

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via paths (2128)(2126), respectively, and selects the data stream to be output to the display. The selection of the proper data stream is based upon control signals from the CRTC (cathode ray tube controller) (2108). This CRTC (2108) also controls the progression of data within display FIFO (2104) and overlay FIFO (2106) pipelines [column 20, lines 17 – 24].

Referring to claims 2, 4 - 6, Chee et al. further teaches displaying an overlay image over a background image. The CRTC (2108) in Fig. 22 is the coordinator of the graphics controller (2050). CRTC (2108) coordinates when display FIFO pipeline (2104) (claim 4) and overlay FIFO pipeline (2106) (claim 5) should read in background and overlay data, respectively, as well as the coordination of which display data (background or overlay) overlay mux (2110) should select [column 23, lines 35 – 46] (claim 6). Illustrated in Fig. 24A, multiple overlays (2422)(2424)(2426)(2428) are displayed over the background image (considered the main image as described). Table 2 [column 22] exhibits the unique X,Y start coordinate, start address, height, width, and scaling factors for the overlay data stored in memory [column 22, lines 25 – 31] for display.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michelle K. Lay whose telephone number is (703) 305-0887. The examiner can normally be reached on Monday - Friday, 8:00am - 4:30pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on (703) 305-4713. The

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fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mk1 12.29.2004 u.


RICHARD MURPE
SUPERVISOR
PATENT EXAMINER
TECHNOLOGY CENTER 2600
1/6/05